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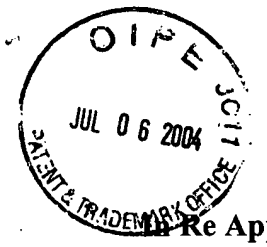


**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

| | | |
|---|---|---|
| **In Re Application of** | ) | |
| | ) | **For: COMPENSATING FOR** |
| **Andrew Sendonaris** | ) | **FREQUENCY SHIFT AND** |
| | ) | **TIMING SHIFT IN FREQUENCY** |
| | ) | **AND TIME TRACKING LOOPS** |
| **Serial No. 10/632,421** | ) | **BASED ON MOBILE UNIT** |
| | ) | **VELOCITY** |
| **Filed: August 1, 2003** | ) | **Group No. 2681** |

## INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Applicants submit herewith, in accordance with 37 CFR § 1.98, the patents, publications and other information listed on the enclosed Form PTO-1449.

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**CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))**

I hereby certify that this correspondence is, on the date shown below, being:

***MAILING***

☒ deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: June 29, 2004

***FACSIMILE***

☐ transmitted by facsimile to the Patent and Trademark Office.

Depositor's Name_____
*(type or print name)*

Signature: _____

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The references submitted herewith are those of which Applicants are aware, which they believe may be material to the examination of this application and, with respect to which there may be a duty to disclose in accordance with 37 CFR § 1.56. While the references identified may be material to the examination of this application pursuant to 37 CFR § 1.56, the citation of these references is not intended to constitute an admission that any reference referred to herein is prior art to the invention of this application, unless specifically designated as such. Additionally, the filing of this Information Disclosure Statement shall not be construed to mean that any search has been made or, that if made, such search was complete or exhaustive, or that no other material information as defined in 37 CFR § 1.56 exists.

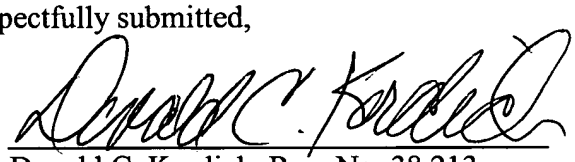
In accordance with 37 CFR § 1.97(b)(3), this Information Disclosure Statement is being submitted before mailing of the first Office Action on the merits. Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application.

A list of the references is set forth on Form PTO-1449, which is enclosed herewith, along with a copy of each cited foreign reference (copies of U.S. references are not enclosed). Applicants respectfully request that the Examiner return to Applicants a copy of the Form PTO-1449 indicating consideration of the references cited thereon.

Applicants do not believe that any fees are due. If, however, it is determined that fees are owed, Applicants hereby authorize that such fees be charged to Deposit Account No. 17-0026.

Respectfully submitted,

Dated: June 29, 2004

By: 

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| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (REV. 7-80) PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. | SERIAL NO. |
|---|---|---|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT *(Use several sheets if necessary)* | 020131 | 10/632,421 |
| | APPLICANT: Andrew Sendonaris | |
| DATE MAILED: June 29, 2004 | FILING DATE: August 1, 2003 | GROUP: 2681 |

OIPE JUL 06 2004 PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | Ref No | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPRO-PRIATE |
|---|---|---|---|---|---|---|---|
| | A1 | 5 6 8 9 2 4 5 | 11/18/97 | Noreen, et al. | 340 | 825.49 | |
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| | A3 | | | | | | |
| | A4 | | | | | | |
| | A5 | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINE R INITIAL | Ref No | DOCUMENT NUMBER | DATE | COUNTRY | NAME | CLASS | SUB CLASS |
|---|---|---|---|---|---|---|---|
| | B1 | 0 2 0 1 7 5 0 | 01/03/02 | PCT | Motorola Corp | H04B | 7/00 |
| | B2 | 0 3 0 7 9 5 7 0 | 09/25/03 | PCT | Qualcomm Inc | H04B | 7/005 |
| | B3 | | | | | | |
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| | B5 | | | | | | |
| | B6 | | | | | | |
| | B7 | | | | | | |

OTHER PRIOR ART (*Including Author, Title, Date, Pertinent Page, Etc.*)

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| | C1 | | Li, et al. "An Adaptive Filtering Technique for Pilot Aided Transmission Systems", 40th Vehicular Technology Conference, May 1990, pps 507-511 |
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| | C2 | | Oh, et al., "An Adaptive Channel Estimation Scheme for DS-CDMA Systems", 52nd Vehicular Technology Conference, September 2000, pps. 2839 - 2843 |
| | | | |
| | C3 | | |
| | | | |

| EXAMINER | DATE CONSIDERED |
|---|---|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.